

Converting Colors

XYZ(29.2878, 40.1461, 52.6592)

Have a look what the booklet for
XYZ(29.2878, 40.1461, 52.6592)
contains.

XYZ(29.3235, 40.1588, 52.6603)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.3235, 40.1588,
52.6603)**

Conversions

Conversions Part 1

Format	Color
Hex	4BBABA
RGB	75, 186, 186
RGB Percent	29%, 73%, 73%
CMY	0.7059, 0.2706, 0.2706
CMYK	0.60, 0.00, 0.00, 0.27
HSL	180°, 45%, 51%
HSV	180°, 60%, 73%
XYZ	29.3235, 40.1588, 52.6603
YIQ	152.8110, -66.1560, -23.5320

Conversions

Conversions Part 2

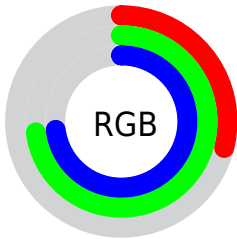
Format	Color
RYB	75, 131, 186
Decimal	4963002
CIELab	69.58, -31.04, -9.43
CIElCh	70, 32.438, 196.907
Yxy	40.1588, 0.2401, 0.3288
Android (android.graphics.Color)	4283153082 (0xFF4BBABA)
YUV	152.8110, 16.3622, -68.2402
Hunter-Lab	63.3710, -28.3023, -4.9094

Details

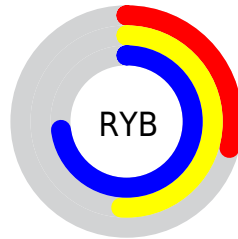
The XYZ color **29.3235, 40.1588, 52.6603** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.0372, 15.9806, 8.4757**, and the grayscale version is **30.1491, 31.7192, 34.5422**.

A 20% lighter version of the original color is **58.0693, 75.6629, 95.5482**, and **12.4849, 18.1960, 25.0445** is the 20% darker color. If you saturate the color by 10%, you get **28.0762, 39.5167, 52.6027**, and if you desaturate by 10%, it is **30.9984, 41.0232, 52.7397**.

Distribution



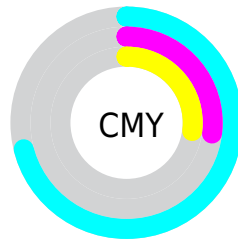
- Red (29%)
- Green (73%)
- Blue (73%)



- Red (29%)
- Yellow (51%)
- Blue (73%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)





- Cyan (71%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3235, 40.1588, 52.6603 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.3235, 40.1588, 52.6603 by changing the saturation by 10% instead.


 29.3235, 40.1588,
52.6603


 29.3235, 40.1588,
52.6603


290.7050,
346.7924, 414.0097


 19.4712, 27.6624,
37.1458


 57.9847, 75.4053,
95.5408


 12.1173, 18.0713,
25.0237


 77.5243, 98.9241,
123.7439

 6.8964, 11.0012,
15.8755


 101.0236,
126.8859, 157.0135

 3.4431, 6.0676,
9.2827

 128.8482,
159.6750, 195.7683

 1.3922, 2.8863,
4.8267

161.3632,
197.6758, 240.4268

 0.2507, 1.0726,
2.0890

198.9341,

 0.0000, 0.0000,

241.2727, 291.4075

0.6092

241.9263,
290.8501, 349.1290

■ 0.0000, 0.0000,
0.0000

■ 29.3235, 40.1588,
52.6603

■ 29.3235, 40.1588,
52.6603

■ 28.0762, 39.5167,
52.6027

■ 30.9984, 41.0232,
52.7397

■ 27.2147, 39.0726,
52.5622

■ 33.1311, 42.1226,
52.8397

■ 26.6951, 38.8047,
52.5378

■ 35.7529, 43.4742,
52.9625

■ 26.4300, 38.6681,
52.5252

■ 38.8916, 45.0922,
53.1095

■ 26.4225, 38.6642,
52.5249

■ 42.5728, 46.9899,
53.2819

■ 46.8205, 49.1797,
53.4809

■ 51.6571, 51.6731,
53.7074

■ 57.1039, 54.4810,
53.9624

■ 63.1812, 57.6140,
54.2470

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.1782, 40.1588, 37.5134



29.3235, 40.1588, 52.6603



31.6956, 40.1588, 68.3462

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.3235, 40.1588, 52.6603



46.0051, 40.1588, 66.5345



40.4965, 40.1588, 21.2231

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.3235, 40.1588, 52.6603



24.0372, 15.9806, 8.4757

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.4704, 40.1588, 25.8672



29.3235, 40.1588, 52.6603



48.8412, 40.1588, 50.5894

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.3235, 40.1588, 52.6603



41.1736, 40.1588, 77.5275



48.6371, 40.1588, 35.8643



35.3156, 40.1588, 21.5314

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.3235, 40.1588, 52.6603



34.3550, 40.1588, 75.9788



48.6371, 40.1588, 35.8643



42.2569, 40.1588, 22.2019

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.3247, 40.1603, 52.6613



71.3502, 82.1726, 96.3013



21.8787, 37.1989, 12.6847



15.3149, 17.8908, 21.1885



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.3247, 40.1603, 52.6613



50.2629, 71.3017, 95.3130



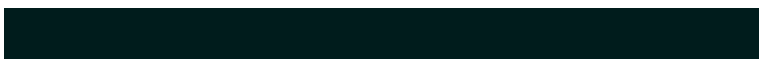
20.0648, 21.6402, 49.5754



9.2667, 10.2107, 11.5619



17.7756, 26.0112, 35.3359



0.6266, 0.9170, 1.2457

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.0372, 15.9806, 8.4757



39.7990, 23.4505, 7.8708



29.3254, 26.5572, 10.2382



9.0046, 9.0122, 9.3719



13.6234, 7.0231, 0.6376



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 29.3235, 40.1588, 52.6603 looks on a white background.

Color Contrast Check

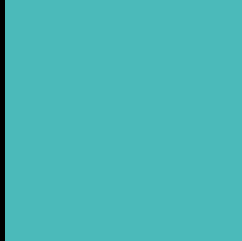
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.3235, 40.1588, 52.6603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

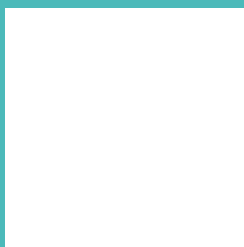
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3235, 40.1588, 52.6603

Background



This preview shows how black text looks on a background with the XYZ color 29.3235, 40.1588, 52.6603.



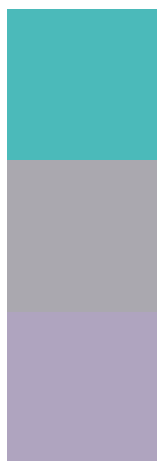
This preview shows how white text looks on a background with the XYZ color 29.3235, 40.1588,

52.6603.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.3235, 40.1588, 52.6603

Protanopia

38.3181, 39.6465, 46.1904

Deuteranopia

40.3586, 39.4265, 54.7732



Tritanopia

30.8426, 40.1538, 60.1577

Trichromacy



Original Color

29.3235, 40.1588, 52.6603

Protanomaly

33.4583, 39.0655, 48.4248

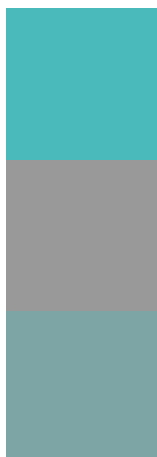
Deuteranomaly

34.5853, 38.6681, 53.7850

Tritanomaly

30.3110, 40.2552, 57.2114

Monochromacy



Original Color

29.3235, 40.1588, 52.6603

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

28.7041, 33.9869, 40.6446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3235, 40.1588, 52.6603 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(75, 186, 186)` looks like.

```
.text, #text, p{  
    color:rgb(75, 186, 186)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(75, 186, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 186, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.3235, 40.1588, 52.6603 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(75, 186, 186) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(75, 186, 186) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(75, 186, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 186, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 186, 186);  
box-shadow:4px 4px 4px 4px rgb(75, 186,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3235, 40.1588, 52.6603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 186, 186) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(75, 186,  
186) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor